

ABSTRACT

A silicon carbide fiber having a boron nitride layer in a fiber surface and having the following properties of a 5 to c,

- a. the existent ratio of boron slopingly increases towards the surface of the fiber,
- b. the existent ratio of boron in the region of from the fiber surface to a depth of 500 nm is 0.5 to 1.5 % by weight,
- c. the existent ratio of boron in a fiber central portion which is a region of a depth of at least 3  $\mu$ m below the fiber surface is 0 to 0.2 % by weight,  
and a process for the production thereof.